

From Supplier to Partner

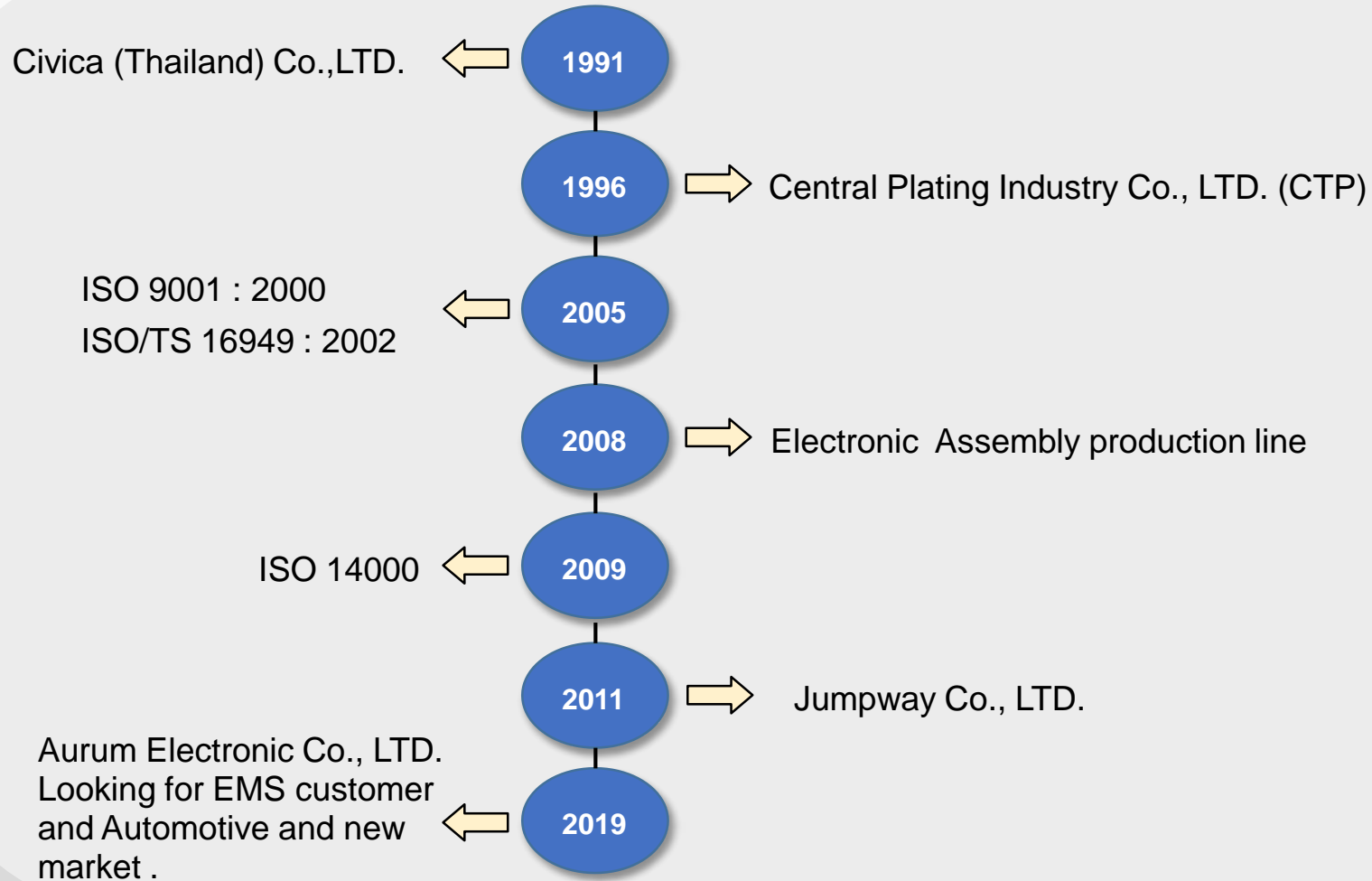


奧隆精密股份有限公司

WE ARE YOUR GOOD PARTNER

LONG TERM BUSINESS PARTNER

Aurum History



Supplier Summary - Aurum

Vendor Basic Information

Supplier Name	Aurum Electronics Co. Ltd
Factory location	Thailand
Head count	300
Capacity	123 Stamping, 4 Punching, 2 Laser Cutting & 9 Bending & 23 Injection Machines
Machine Tonnage	25T - 400T

Key Technology

Main Process	Sheet metal - Soft tool / Hard tool, Injection Molding, Machining
Secondary Operation	Prototyping Machining Process Painting / Powder coating lines Assembly Process

Engineering

DFM	Tooling Design	NCT	Stamping
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Quality System

ISO 9001:2015	ISO14001: 2015	IATF 16949:2016
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Capability Matrix

Company overview

- Close proximity Thailand site
- Financially stable
- Scalable model
- Quality Certification
- 300 Manpower

Management Commitment

- >10 years Relationship
- Effective decision making
- Commitment
- Communication style

Quality & Certification

- ISO 9001:2015
- ISO 14001:2015
- IATF 16949:2016
- ISO 13485: 2016

Technology

- Prototyping
- Sheet metal NCT / Stamping
- Injection Molding
- Machining Process
- Powder coating
- Assembly Process

Product Experience

- Power supply & Telecom
- Metal parts
- Plastic parts
- Stamp parts
- Busbar
- Chassis assembly
- Cabinet assembly
- Lighting assembly

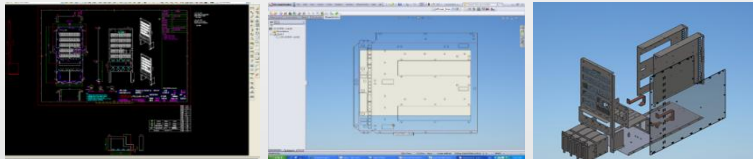
Commercial

- Cost Solution
- Preferable T&C

Overall Process Capability

Mechanical Design Capability

- Tooling design (Stamping).
- DFM (Design For Manufacturability)
- Program/Software used Solidworks/ AutoCad / Sheetworks / AP100 / MasterCam / BendCam



NCT

- Short lead time & low cost (Tooling).
- LT 7-45 working days
- Use for prototype, medium or low volume production. Disadvantage, short life cycle (Tooling) & difficult to maintain tight tolerance.



Stamping

- Long life cycle (Tooling)
- LT 45-90 working days depending on the complexity of the part design.
- Capable to process parts with tight tolerance.
- For high precision parts and high volume.
- Disadvantage, high cost tooling & longer lead time.



Plastic Injection, Machining & 3D Printing

- Automatic equipment: Injection Molding with Robotic Arms to increase production efficiency and maintain stable quality.
- LT 20-90 working days depending on the complexity of the part design.



Metal Joints

- 16 Welding Machines (3 Laser Welding , 4 TIG, 4 MIG & 5 Spot Welding)



Secondary & Other processes

- Painting / Powder Coating (Wagner)
- Plating (Central Plating Industry Co., Ltd.)
- Curing Oven (Wire Hanger & Conveyor)
- Buffing / Deburring Machine (AuDeBu1000)
- Silkscreen & Laser marking



Quality System Certification

ISO 9001:2015



Certificate of Registration

This certificate has been awarded to

AURUM ELECTRONICS CORPORATION CO., LTD.
1 Moo. 1, Hom Sin, Bangpakong, Chachoengsao, 24180, Thailand

In recognition of the organization's Quality Management System which complies with

ISO 9001:2015

The scope of activities covered by this certificate is defined below

Manufacture of Plastic Injection Molded, Stamped, Bent and Assembled Parts (Excludes Product Design under Clause 8.3) - [USI YTEPET]

Certificate Number 107457/AA/0002/UK/En			
Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
19 September 2023	1	18 September 2026	1
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
19 September 2023	0	19 September 2023	0488450

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/sgqs-and-regulations>
Issued by Mukesh Singhal - On behalf of the Schemes Manager



IATF 16949:2016



Certificate of Registration

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AURUM ELECTRONICS CORPORATION CO., LTD.
1 Moo. 1, Hom Sin, Bangpakong, Chachoengsao, 24180, Thailand

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IATF 16949:2016

The scope of activities covered by this certificate is defined below

Manufacture of Plastic Injection Molded, Stamped, Bent and Assembled Parts (Excludes Product Design under Clause 8.3) - [USI YTEPET]

Certificate Number 107457/AA/0002/UK/En			
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19 September 2023	0	19 September 2023	0488450

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/sgqs-and-regulations>
Issued by Mukesh Singhal - On behalf of the Schemes Manager



ISO 14001:2015



Certificate of Registration

This certificate has been awarded to

AURUM ELECTRONICS CORPORATION CO., LTD.
1 Moo 1, Homsin, Bangprakong, Chachoengsao, 24180, Thailand

In recognition of the organization's Environmental Management System which complies with

ISO 14001:2015

The scope of activities covered by this certificate is defined below

Manufacture of Plastic Injection Moulded, Machined, Painted, Stamped, Bended, Assembly for Electronic and Automotive Parts and Assembly for Light Emitting Diode (LED) Light Sets

Certificate Number 107457/AA/0002/UK/En			
Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
19 April 2022	1	18 April 2025	1
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
24 April 2023	1	19 April 2022	n/a

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/sgqs-and-regulations>
Issued by Mukesh Singhal - On behalf of the Schemes Manager



ISO 13485: 2016



Certificate of Registration

This certificate has been awarded to

AURUM ELECTRONICS CORPORATION CO., LTD.
1 Moo 1, Homsin, Bangpakong, Chachoengsao, 24180, Thailand

In recognition of the organization's Quality Management System which complies with

ISO 13485:2016

The scope of activities covered by this certificate is defined below

Manufacture of Plastic Injection Moulded, Stamped, Lathe and Assembled Parts

Certificate Number 107457/AA/0003/UK/En			
Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
10 January 2025	1	09 January 2028	1
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
10 January 2025	0	10 January 2025	n/a

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/sgqs-and-regulations>
Issued by Mukesh Singhal - On behalf of the Schemes Manager



Quality System Certification

ISO 50001

bsi.  

Certificate of Registration

ENERGY MANAGEMENT SYSTEM - ISO 50001:2018

This is to certify that:

AURUM ELECTRONICS CORPORATION CO.,LTD
1 Moo 1, Hom Sin,
Bangpakong,
Chachoengsao
24180
Thailand

Holds Certificate Number: **ENMS 820659**

and operates an Energy Management System which complies with the requirements of ISO 50001:2018 for the following scope:

The manufacture of plastic injection moulded, stamped, bented and spot welding for assembly part.

For and on behalf of BSI: 
Michael Lam, Senior Vice President, APAC Assurance

Original Registration Date: 2025-01-10 Effective Date: 2025-01-10
Latest Revision Date: 2025-01-10 Expiry Date: 2028-01-09

Page: 1 of 1

IAF **ANAB**

...making excellence a habit.™

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.
An electronic certificate can be authenticated [online](#).
Printed copies can be validated at www.bsi-global.com/ClientDirectory or telephone +66(2) 2944889-92.
Further certifications regarding the scope of this certificate and the applicability of ISO 50001:2018 requirements may be obtained by consulting the organization.
This certificate is valid only if provided original copies are in complete set.

Information and Contact: BSI, Kilnburn Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. Tel: +44 345 280 9000
BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
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ISO 14064-1



For Certificate about February 2026

ISO 14067

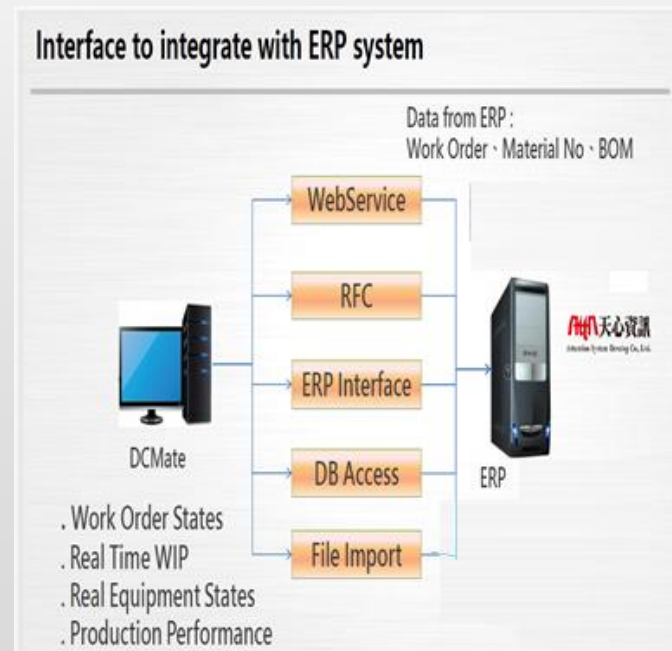
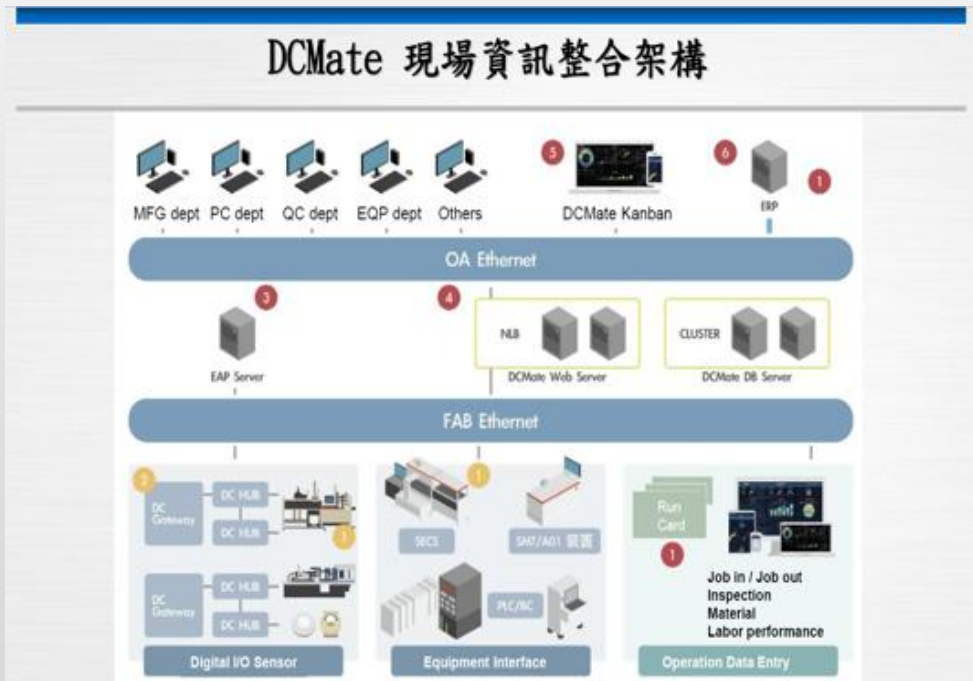


For Certificate about 2027

Internal Production Control System ERP+ MES

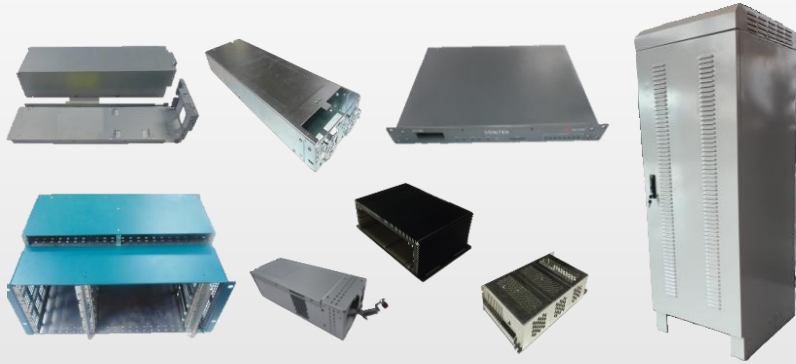


→ 2025

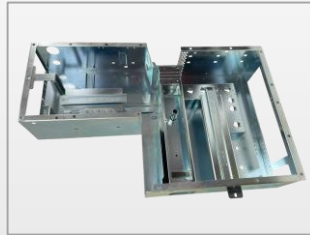


Products

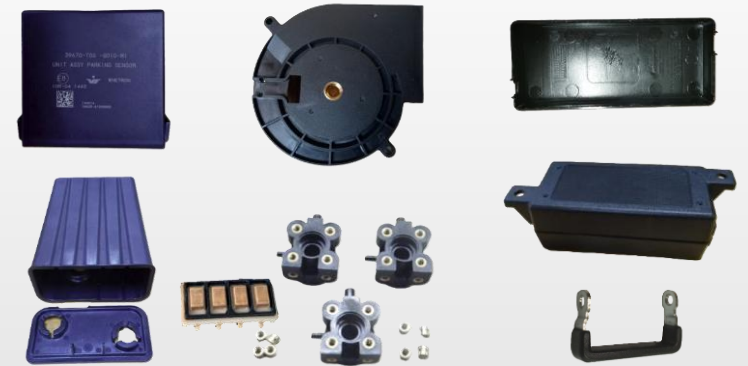
Power supply & Telecom



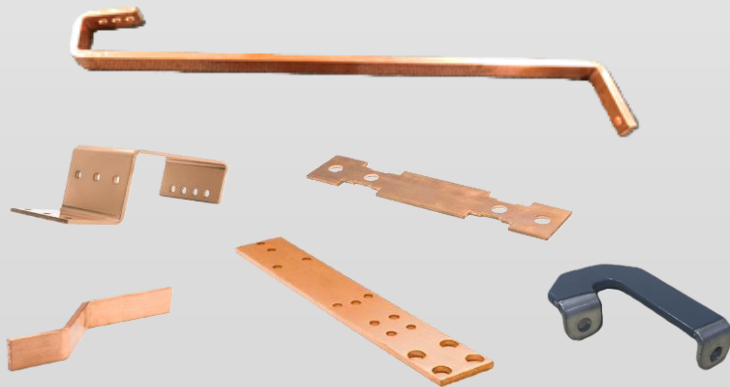
Semiconductor



Plastic



Busbar



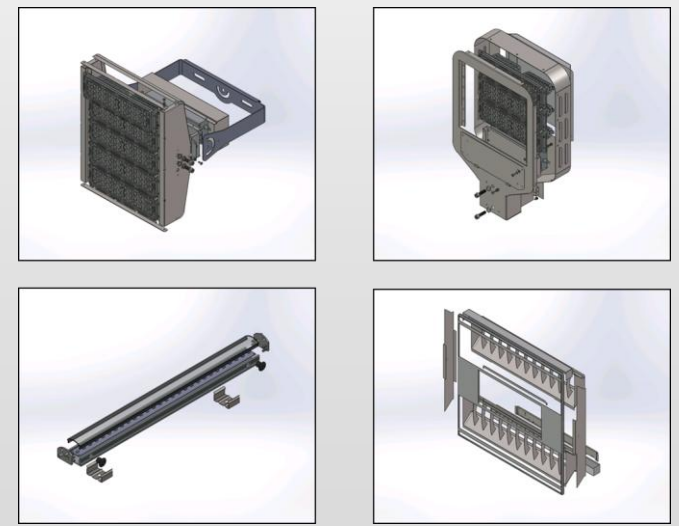
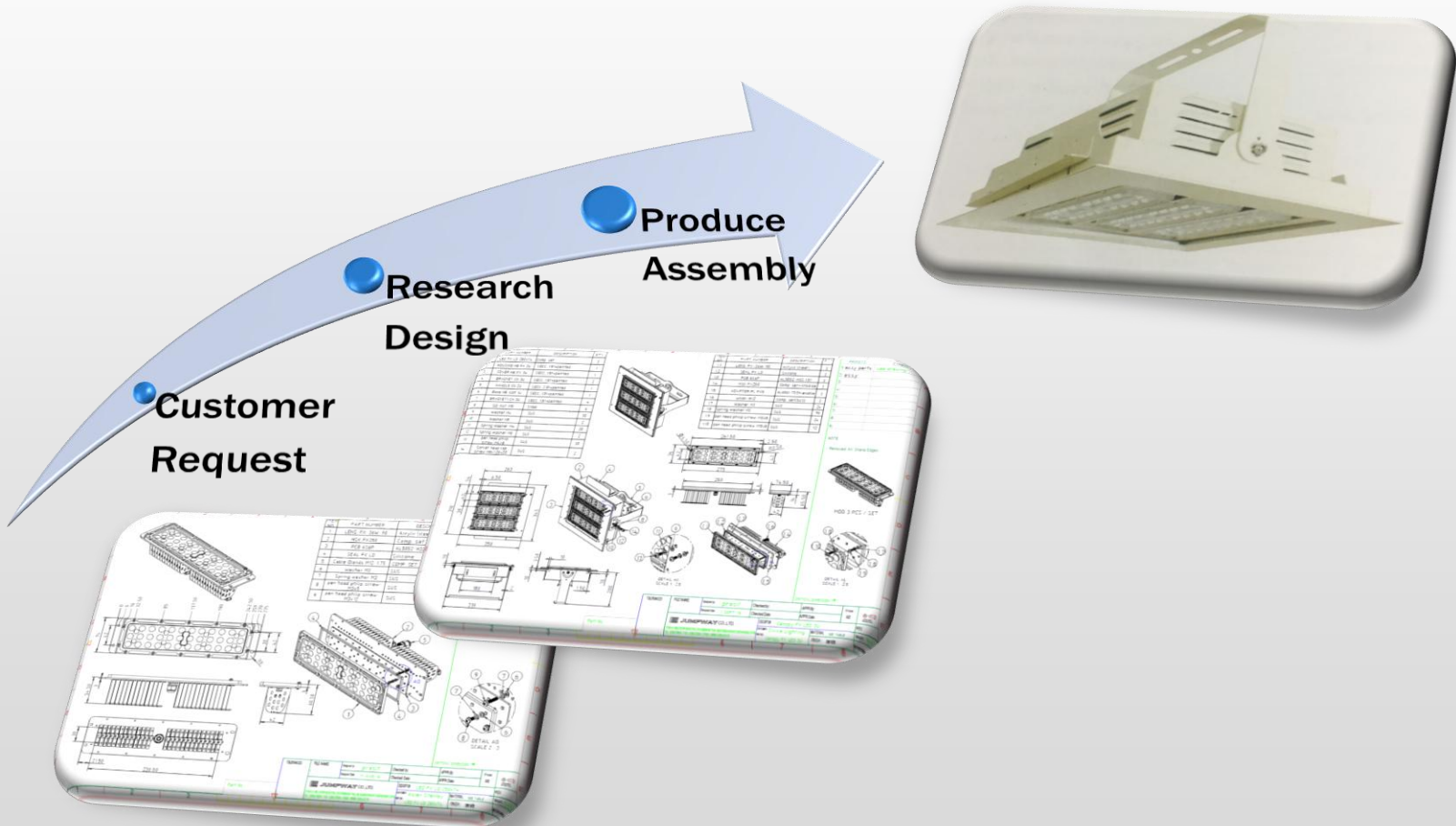
Stamp parts



Electronic product assembly

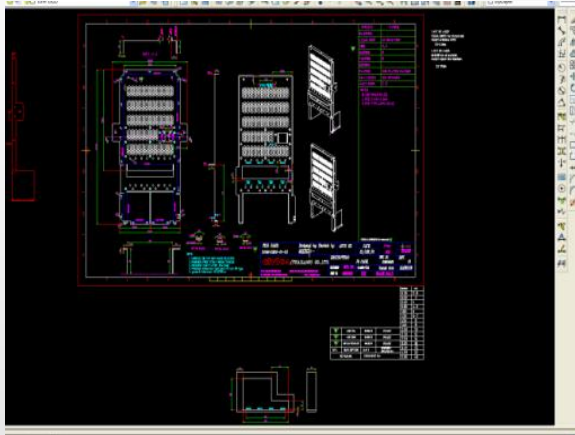


Mechanical Design Capability

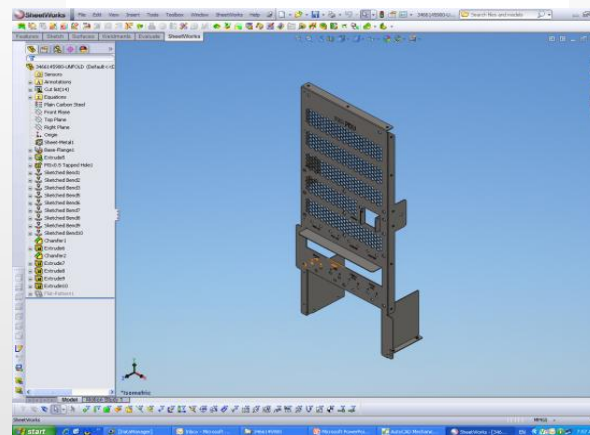


Value Engineering Service

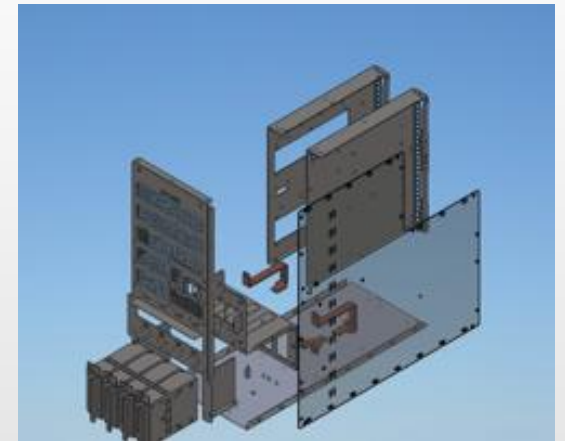
2D AUTOCAD



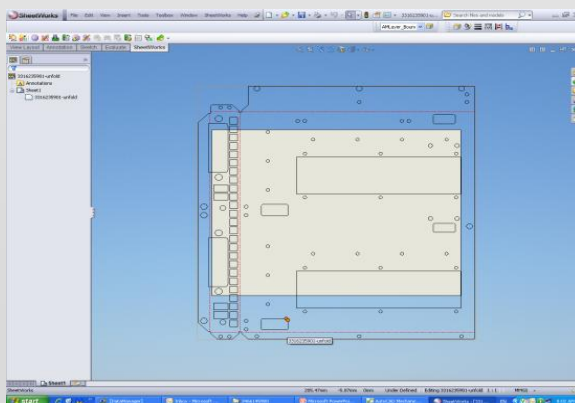
3D SOLIDWORKS



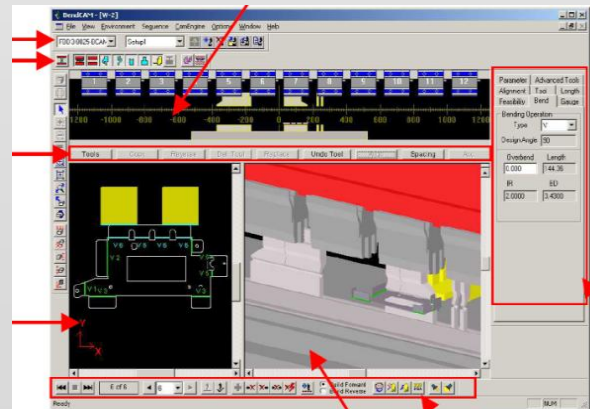
3D (SIMULATION)



SHEET WORKS



BENDCAM



ACTUAL FITTING



Soft tooling (NCT) Capability

Machines List

Item	Machine	Capacity (Tons)	Model	Qty.
1	Punching	20	VIPROS-255	1
2	Punching	20	AC255NT	2
3	Punching	20	EM2510 MII	1
4	Laser	-	LC3015 F1 NT	1
5	Laser	-	ENSIS 3015 AJ FIBER LASER	1
6	Laser	-	LC-VALSTER-3015AJ G	1

Tolerance Capability

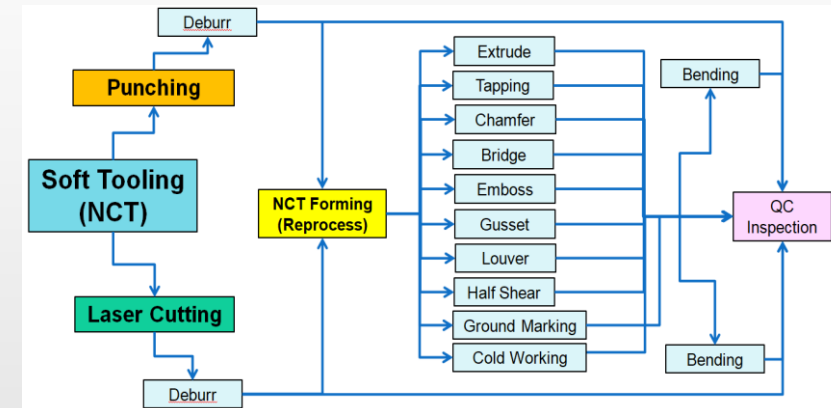
Process Type	Hole to Edge	Hole to Hole	Edge to Edge
Turret Punch	± 0.1	± 0.1	± 0.1
Laser Cutting	± 0.1	± 0.1	± 0.1

General Tol. DIN ISO 2768-mK

Common Material used

- **Aluminum** (AL5052-H32, AL6061, AL1100)
- **Carbon Steel** (SPCC, SS400, SPHC)
- **Galvanized Steel** (SGCC, SECC, SPTE)
- **Stainless Steel** (SUS301, SUS304, SUS430)
- **Copper** (C1100-1/2H) & **Brass** (C2680)

Process Flow



Material thickness

Punching → 0.5mm – 3.0mm

Laser → 0.3mm – 9.0mm



Press Brake (Bending)

Machines List

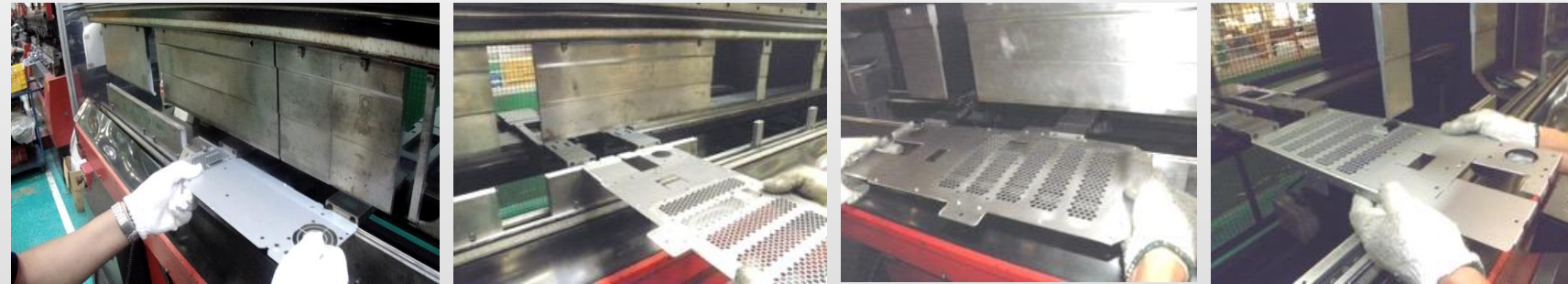
Item	Machine	Capacity (Tons)	Model	Qty.
1	Bending	35	RG-35S DC9III	2
2	Bending	80	FBD8025	2
3	Bending	80	RG-80 DC9III	1
4	Bending	80	HDS8025NT	1
5	Bending	80	HG-8025	1
6	Bending	100	RG-100	1
7	Bending	143	HDS1303NT	1

Tolerance Capability

Process Type	Internal Radius	Bend Angle	Bend to Edge
Bending	+ 0.6	± 1 deg.	± 0.2

General Tol. DIN ISO 2768-mK

** Capable to process up to Maximum Bending Length = 3,000mm



Hard Tooling (Stamping) Capability

Machines List

Item	Capacity (Tons)	Model	Qty.
1	25	-	11
2	35	TAKSIN PRESS	32
3	45	CHIN CHANG / CHIN FONG	8
4	60	SENSON	16
5	80	SENSON / TAKSIN PRESS	24
6	110	CHIN CHANG / SENSON	19
7	160	SENSON	3
8	200	SENSON	2
9	250	SENSON	5
10	300	SENSON	2
11	400	SENSON	1

Tolerance Capability

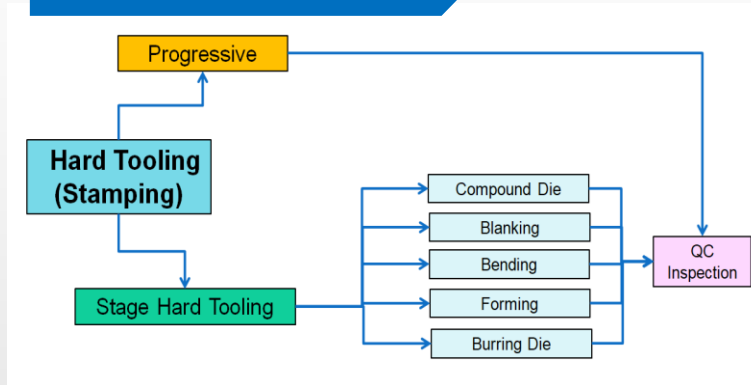
Process Type	Hole to edge	Hole to Hole	Internal Radius	Bend Angle	Bend to Edge	Edge to Edge
Stage Hard Tool	± 0.05	± 0.05	± 0.05	± 0.5deg.	± 0.05	± 0.05
Progressive Hard Tool	± 0.05	± 0.05	± 0.05	± 0.5deg.	± 0.05	± 0.05

General Tol. GBT 13914 / DIN ISO 2768-mK

Common Material used

- **Aluminum** (AL5052-H32, AL6061, AL1100)
- **Carbon Steel** (SPCC, SS400, SPHC, SK5)
- **Galvanized Steel** (SGCC, SECC, SPTE)
- **Stainless Steel** (SUS301, SUS304, SUS430)
- **Copper** (C1100-1/2H) & **Brass** (C2680)

Process Flow



Material thickness

- Stamping → 0.2mm – 6.0mm



Soft tooling (NCT) Capability

Machines List

Item	Machine	Capacity (Tons)	Model	Qty.
1	Punching	20	VIPROS-255	1
2	Punching	20	AC255NT	2
3	Punching	20	EM2510 MII	1
4	Laser	-	LC3015 F1 NT	1
5	Laser	-	ENSIS 3015 AJ FIBER LASER	1
6	Laser	-	LC-VALSTER-3015AJ G	1

Tolerance Capability

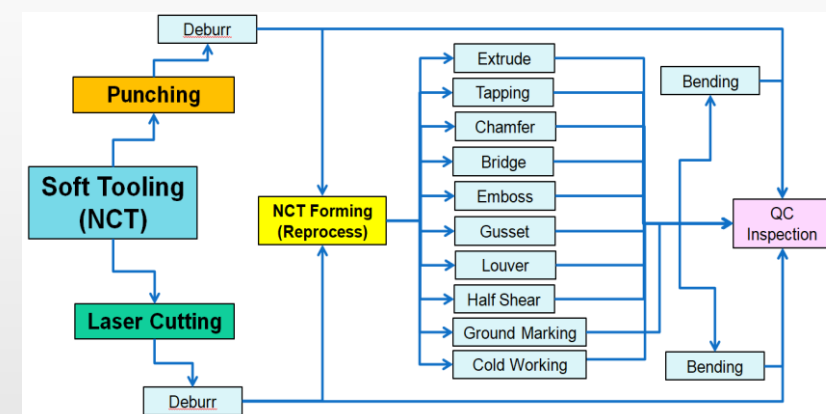
Process Type	Hole to Edge	Hole to Hole	Edge to Edge
Turret Punch	± 0.1	± 0.1	± 0.1
Laser Cutting	± 0.1	± 0.1	± 0.1

General Tol. DIN ISO 2768-mK

Common Material used

- **Aluminum** (AL5052-H32, AL6061, AL1100)
- **Carbon Steel** (SPCC, SS400, SPHC)
- **Galvanized Steel** (SGCC, SECC, SPTE)
- **Stainless Steel** (SUS301, SUS304, SUS430)
- **Copper** (C1100-1/2H) & **Brass** (C2680)

Process Flow



Material thickness

Punching → 0.5mm – 3.0mm

Laser → 0.3mm – 9.0mm



Stamping Line






Item	Capacity (tons)	No. of Machines
1	25	11
2	35	32
3	45	8
4	60	16
5	80	24
6	110	19
7	160	3
8	200	2
9	250	5
10	300	2
11	400	1
	Total	123

Tool Room

NAME	QTY.
Horizontal Vertical Turret Milling Machine	5
Precision Surface Grinder	8
Engine Lathe	2
Engine Lathe Surface Grinding Machine	1
Wire Cut Machine	3
High Speed Small Hole Drilling EDM	1
Electrical Discharge Machine (EDM)	2



Machining

	NAME	SPEED	TABLE SIZE (MM)	
CNC Milling	Mill Star	Max. 10,000 rpm	1100 x 600 x 650	
	Litz	Max. 8,000 rpm	450 x 300 x 300	 
	Litz	Max. 12,000 rpm	550 x 400 x 500	
	Litz	Max. 8,000 rpm	450 x 300 x 300	
CNC Turning	Miyano	Max. 6,000 rpm	Max 60 x 150	
	Litz	Max. 8,000 rpm	Max 200 x 400	 
	MODEL	SPECS	QTY.	
Lathe Machine	Manual Lathe	-	4	 
	Miyano	5 ~ 15mm	10	
	Litz	6 ~ 20 mm	2	

3D Printing Capability

Printing Parameters

Build Volume (L x W x H)	300mm x 300mm x 300mm (11.8" x 11.8" x 11.8")
Filament Diameter	1.75mm
Extrusion	Single
Nozzle Diameter	0.4mm (included) 0.6mm and 0.8mm sizes (compatible)
Nozzle Material	Copper Alloy (included)
Layer Height	0.1 - 0.35mm
Max Hotend Temperature	300°C
Max Build Plate Temperature	100°C
Max Speed of Toolhead	600mm/s
Max Acceleration of Tool Head	20,000 mm/s ²
Flow Rate	32mm ³ /s
Printing Accuracy	±0.1mm



Compatible Materials

ABS/PLA/PETG/PET/TPU/PA/
ASA/PC/PLA-CF/PA-CF/PET-CF



Metal Joints

Type	Model	Qty.
Laser Welding	ALPHA LASER, 9kW, AL900F	2
	2000W HANDHELD WELDING MACHINE, S&A CWFL-2000	1
TIG Welding	ARC MEN AC/DC, Digi-TIG320ACDC PLUS	4
MIG Welding	MIGATRONIC, MIG445 MK III	1
	TURIN SMART ROBOT, 4.8kW, TKB1440E	2
	TURIN SMART ROBOT, 5.3kW, TKB1600E	1
Spot Welding	ARC MEN AIR-PRESSURED SPOT WELDER, KE-35, 50KVA	3
	SHIHLIN DC SPOT WELDER, NF100-CN	1
	SUNCHEN MULTI HEAD SPOT WELDING MACHINE, 30M-1604P-2	1



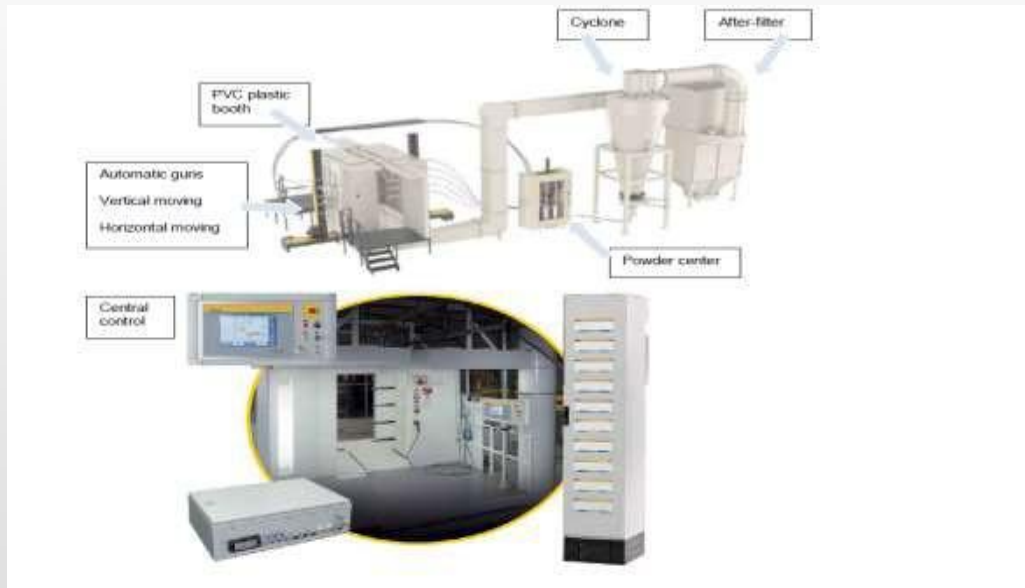
Secondary Processes

- **Painting**
 1. Liquid Paint
 2. Powder Coating - WAGNER
 3. Auto Powder Coating – Dual WAGNER PEM X1 spray gun, WAGNER SPRINT 60L, CiP Engineering Automation
- **Buffing / Deburring Machine** - AuDeBu1000 (Workpiece maximum size: 1000mm width, 20mm height)
- **Laser Marking** – 3AXLE, TLS400-20W Laser System
- **Silk Screen**
- **Curing Oven**



Plating and Powder Coating

Powder Coating (Automated)



Plating

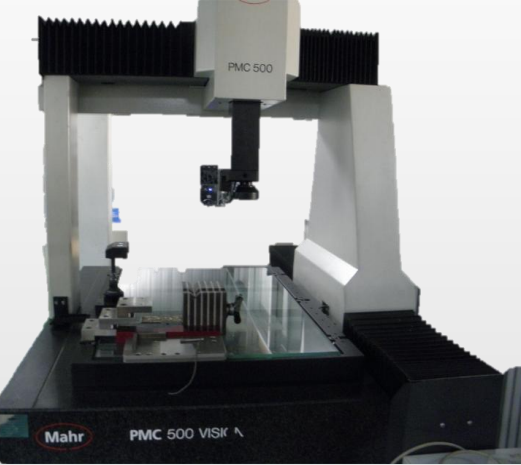
Central Plating Industry Co., Ltd. (CTP)

NAME	QTY.
Barrel Plating System	1
Rack Plating System	1
Post Treatment	1
Baking	1



Quality Control Equipment

CMM



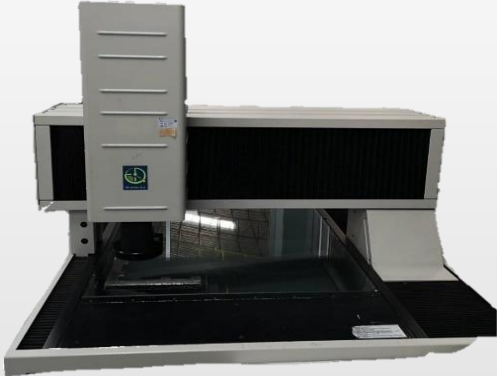
Height Gauge



Contour & Roughness



Smart scope



Romer ARM (753-SI)



Gloss Meter



Coating Thick. Gauge



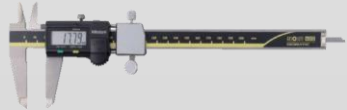
Cross-cut



Color Meter



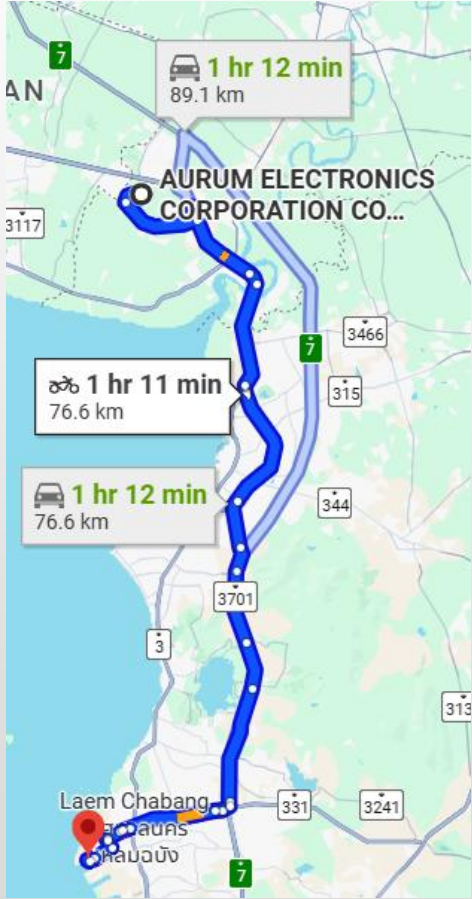
Caliper



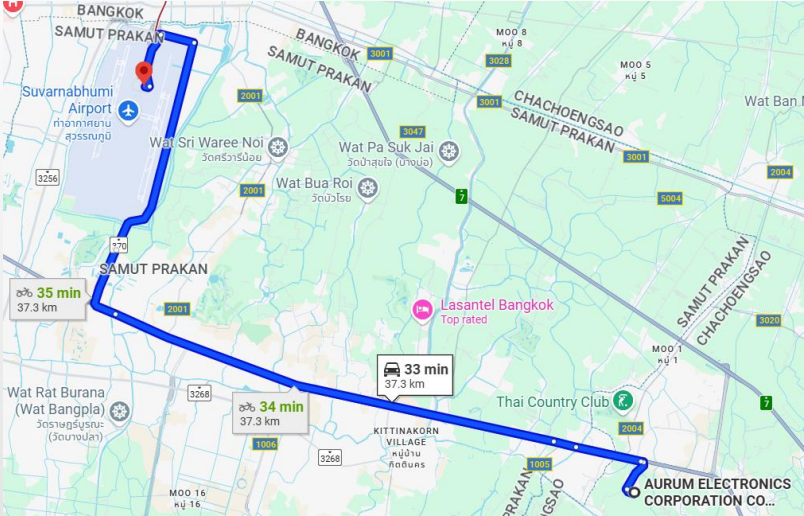
Aurum Location



Factory size: 54,400 sqm with 0.66MGW solar energy



Aurum – Laem Chabang Port



Aurum – Suvarnabhumi Airport

Aurum Contact information



VINCENT LU

呂奇霖

Vice Managing Director

+66(0)81-666-0071

vincentlu@aurum.co.th

MOLD DESIGN | NCT PART | STAMPING PARTS | CNC MILLING | PLASTIC INJECTION | ASSEMBLY

ISO 9001:2008
ISO/TS 16949-2009
ISO 14001

1 Moo 1 Hom Sin, Bang Pakong, Chachoeng Sao 24180
Tel: 038-989659-50 #105 FAX: 038-989653-55

TAX ID: 0-2455-62001-77-1

www.aurum.co.th

AURUM ELECTRONICS CORPATION CO.,LTD.

Q & A